Philips Medical Systems

NEWSLETTER			Service		
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Service Tools Newsletter

No. 44

Subject: ScopeMeter

RECOMMENDATION AND WORLD-WIDE CONTRACT:

SCOPEMETER
PMS-199COLOR/C0X
FROM FLUKE

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1 INTRODUCTION

The recent introduction of the new Fluke color scopemeter triggered the PMS Tool Committee to investigate and compare this new instrument with the actual recommended model PMS-199.

In close coorparation with the Professor Holst Training Centre both instruments have been compared.

Compare results:

- The Fluke 199Color is more sensitive (2mV/div) than the actual 199 model (5 mV/div). It is therefore more useful for measuring video signals.
- The full-color display Fluke199Color) makes identification of individual waveforms easier, particularly when displaying large amplitude or multiple overlapping waveforms on screen. On-screen color labels, measurements and warnings are clearly linked to specific waveforms.
- The Digital Persistence mode (Fluke 190Color) helps to find anomalies and to analyze complex dynamic signals by showing the waveforms amplitude distribution over time.
- One of the new features with the Fluke190Color is the waveform pass/fail testing. Waveform reference allows an acquired trace to be stored and designated “reference trace” for visual comparisons.
- Improved trigger response for video measurements compared to the model 199.
- Faster response of keys → Cursors and Move button

2 THE FLUKE PMS-199COLOR/C0X SCOPEMETER FOR PHILIPS MEDICAL SYSTEMS

New contract:
As a result of the recommendation a special package, the “**Fluke PMS-199Color/C0x**” will be made available for Philips Medical Systems and a new contract has been agreed upon with Fluke.
This contract offers a considerable discount on the standard listprice (world-wide coverage).

The contract for the actual model PMS-199 will remain and this model can still be ordered.

2.1 CONFIGURATION:

FLK-199Color:	ScopeMeter 190C series: 200MHz - 2.5_GS/s real time sampling - dual channel digital oscilloscope with Color display and Digital Persistence and integrated protective holster. “Waveform Compare” mode included. Standard accessories: - Mains adapter (country specific line voltage adapter / battery charger) - Voltage Probe Set 10:1, 1 red, 1 gray (VPS200) including hook clip, ground leads and 4 mm add-on probe tips - Test Leads Set, 1 red, 1 black (TL 75)
SCC190 kit:	PC cable PM9080 - Optically isolated RS-232 adapter/cable FlukeView - ScopeMeter software for Windows Hard shell carrying case - rugged, shock proof with integrated protective holster
PMS User Manual:	Full set of user manuals on CD-rom, printed ‘Getting Started’ manual (English)

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MA190 Medical Accessory Kit:

- 50-Ohms terminator (TR190-50R)
- 50-Ohms terminator with 10:1 attenuation (TA190-50R)
- 1-Ohm current shunt = mAs-shunt (CS190-1R)
- 1.5m isolated BNC cable
- Male 4mm to BNC adapter (used to connect mAs-shunt)
- Two 4mm female to 4mm female adapters (used to connect mAs-shunt using test leads)

Additional features in PMS-199Color ScopeMeter

- mAs measurement using cursors. Dual channel operation is now supported, so that a secundary signal can be used for determining the cursor position or timing reference.
- 1/T measurement with cursors
- Non interlaced video triggering also supporting high-resolution video systems
- Better video display (Smart Average)
- Better video display (Digital Persistence)
- Offset and dynamic range extended allowing extra vertical magnification (Resolution)

2.2 ORDERING INFORMATION

The Fluke PMS-199Color/C0x is ordered via your local purchase office directly at the nearest Fluke Sales Office or at a selected Fluke representative.
An overview of the Fluke Sales Offices or selected Fluke representatives is given in the Appendix.
The PMS-199Color/C0x ScopeMeter(s) are shipped to the address indicated on the order.

Fluke code number: **PMS-199Color/C0x**

MAINS ADAPTER / BATTERY CHARGER:
The last digit (x) of the code number specifies the required mains adapter (see specifications, paragraph 3):

x = 1 Europe (BC190/801)
x = 3 North America (BC190/803)
x = 4 United Kingdom (BC190/804)
x = 7 Australia (BC190/807)
x = 8 Universal (BC190/808)

ORDERING EXAMPLE:
PMS-199Color/C04 : PMS-199Color/C0x 200MHz Color ScopeMeter with the UK type mains adapter.

USERS MANUAL:
The English 'Getting started' manual is included with the ScopeMeter. Other languages and complete user manuals are available on a CD Rom included with the ScopeMeter.

PHILIPS SERVICE LOGISTICS:
It is possible to order the PMS-199COLOR/C08 ScopeMeter at Philips Service Logistics but bear in mind that the price will be higher than the one mentioned below!
12NC: 4522 300 20301 (= PMS-199COLOR/C08, no other versions possible!)

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2.3 PRICES:

Invoice currency:
The invoice to address from the corresponding Purchase Order determines the currency to be invoiced by Fluke:
Invoice to address is Europe then invoice currency is EUR (€)
Invoice to address is Rest of World then invoice currency is USD ($)

2.3.1 EURO CURRENCY PRICES

PMS-199Color/C0x	single unit:	€ 2.979	
Special prices are offered for following minimum quantities:			
PMS-199Color/C0x	5-units:	€ 2.957	(price per unit)
	10-units:	€ 2.904	(price per unit)
	25-units:	€ 2.851	(price per unit)

2.3.2 USD CURRENCY PRICES

PMS-199Color/C0x	single unit:	$ 2.979	
Special prices are offered for following minimum quantities:			
PMS-199Color/C0x	5-units:	$ 2.957	(price per unit)
	10-units:	$ 2.904	(price per unit)
	25-units:	$ 2.851	(price per unit)

IMPORTANT!!
The prices mentioned are valid if you order the Fluke PMS-199/C0x directly at the nearest Fluke sales office or selected representative (world-wide coverage / see appendix). If you order the ScopeMeter at Philips Service Logistics take into account that the prices you pay will be higher! There also is no extra discount if you order 5 or more units.

Prices mentioned have a world-wide validity but does not include transport costs, local taxes or adders.

2.4 SPECIAL PRICE AND TRADE-IN OFFER!

When buying a PMS199Color/C0x before September 30 2003 you will pay €2851 / $2851 for a single unit!

An extra € 600/$600 discount is added when a Fluke 90 series or Fluke 105 ScopeMeter is traded in.

The trade-in rules:
- Offer only valid when buying a PMS199Color/C0x.
- Maximum of one ScopeMeter 90 series or Fluke 105 can be traded per PMS199Color/C0x purchased. Independent of the model the discount will be €600/$600
- Unit traded in must be in a working condition.
- Specify the number of units to trade in on your order for PMS199Color/C0x

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The trade-in procedure for Europe.

- After delivery of the PMS199Color the Local Philips Medical tool manager contacts the local Fluke organization to arrange the pick-up of the traded units.
- A copy of the order for PMS199Color units must be send with the trade-in units.
- After receipt of the trade-in units a credit note will be issued for the number of units returned at €600/$600 each.
- For contact details see appendix.

The Trade-in procedure for U.S.A.

- Please add a line item to your purchase order for the new PMS-199Color/C0x units indicating the quantity of the "Fluke 90 series trade-in".
- The trade-in credit amount of $600each will be applied to the unit net price at the time the order is placed.
- Orders can be placed directly with Fluke at Tel: 800.903.5853 or Fax 425.446.5716
- Please ship the trade-in units to:

  Fluke Corp
  9028 Evergreen Way
  Everett WA 98204

  Attention: Hilton Hammond MS201E

The Trade-in procedure outside Europe
Depending on the region/country the trade-in procedure can be different. Please contact the Local Fluke organization or Fluke representative for the full details. Contact information can be found in the appendix.

2.5 WHAT DO I NEED TO KNOW FURTHER?

Tool Catalogue:
The ScopeMeter PMS-199Color/C0x will be implemented in the Tool Catalogue on-line. The Toolcode is TC095.

Direct link → http://technet.best.ms.philips.com/applications/tc_pms/html/pk1_205/1_205.html

When?	From date 19-05-2003 your order can be placed at the nearest Fluke Sales Office or selected representative (see Appendix)
Validity:	The prices in this newsletter have a validity of 24 months
Delivery time:	4 weeks after receipt of the order by the selected Fluke Sales Office (see Appendix)
Warranty:	3 years
Repair / Calibration:	Via your local Fluke Sales Office / distributor or via PMS Best
Training:	Contact your local Fluke sales representative for training purposes

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3 SPECIFICATIONS

PMS-199Color/C0x ScopeMeter Specifications:

- Dual input - 200 MHz bandwidth
- 2.5 GS/s real-time sampling per input
- Connect & View™ automatic triggering, a full range of manual trigger modes plus external triggering
- Fast Color display for easy interpretation of waveforms
- Digital Persistence for displaying signals like an analogue oscilloscope
- 27,500 points per input record length using ScopeRecord™ mode
- Automatic capture and replay of 100 screens
- 27 automatic waveform measurements
- Waveform reference and 'Pass-Fail' testing on wave shape
- Cursors, zoom and real-time clock
- Four hours rechargeable NiMH battery pack
- 1000V independently floating isolated inputs
- Includes a 5000 count true-RMS multimeter and a TrendPlot™ paperless recorder.
- Optically isolated PC and printer interface
- mAs measurement with external shunt
- Includes MA190 medical accessory pack with medical functions implemented.

General Specifications:

Line power:	Via a country specific or a universal line voltage adapter / battery charger (BC190/80x) delivered with the ScopeMeter. The last digit of the typenumber identifies the type of adapter included with the ScopeMeter. See also paragraph 2.2.
	Specifications BC190/801, BC190/804 and BC190/807 mains adapter: Input: 230V ± 10% - 50/60 Hz Output: 17.8V dc, 840mA
	Specifications BC190/803 mains adapter: Input: 120V ± 10% - 50/60 Hz Output: 17.8V dc, 840mA
	Specifications Universal mains adapter (BC190/808): Input: 115V ± 10% / 230V ± 10% 50/60 Hz (switch selectable) Output: 17.8V dc, 840mA Line plug: 4 power plug adapters are included matching the European, US, UK and Austrial style mains outlets.
Battery power:	Rechargeable NiMH (4hrs. operating time / 4hrs. charging time)
Environmental:	Operating temperature: 0ºC - 50ºC (32 -122 ºF) Humidity: for temperature range 10 – 30 ºC: 95% RH non condensing
Size:	256 x 169 x 64mm (10.1 x 6.6 x 2.5 inches)
Weight:	1.95 kg (4.3 lbs.)
Safety:	Compliance: EN61010-1: 1000V CAT II and 600V CAT III safety certified UL 3111-1, CAN/CSA C22.2 No. 1010.1, ANSI/ISA, CE

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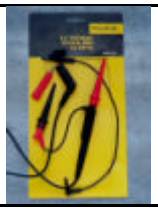
4 PROBE 1:1

The ScopeMeter PMS-199Color/C0x is delivered with two 10:1 probes. For most work situations, the minimal scale of 20mV/division of these probes is sufficient.
Especially for video measurements in systems with DSI, Integris V3k/H3k, XTV11D/S/T, a sensitivity of at least 5mV/div. is necessary.
Use of the Fluke probe model VPS121 (1:1 probe) is recommended.
In combination with the PMS-199Color/C0x this allows for a sensitivity of **2mV/division**!

Please note that this probe is also compatible with the ScopeMeter Fluke model 199.

Specifications Fluke model VPS121 1:1 Voltage Probe Set 12Mhz:

Containing:		
• 1:1 Voltage Probe	1 black	
• Hook Clip for Probe Tip	1 red	
• 4-mm Test Probe for Probe Tip	1 red	
• Ground Lead with Hook Clip	1 red	
• Ground Lead with Mini Alligator Clip	1 black	

Attenuation	1x
Bandwidth	12 MHz
Max. Input Voltage	300 V CAT III
Max. Voltage to ground	600 V CAT III
Input Resistance	1 Mohm
Input Capacitance	42pF + Osc. Input Cap.
Cable Length	1.2m
Altitude	3000m
Safety	UL3111.1 / CSA C22.2 No. 1010.1 EC / EN61010-2-031
Working Voltage	300 V CAT III
Pollution Degree	2
Protection Class	II (double insulation)

Ordering information - Price:

The Fluke model VPS121 1:1 Voltage Probe can only be ordered via your local purchase office directly at the nearest Fluke Sales Office (no 12NC)
The price for this probe VPS121 is approx. € 220

5 PROBE CLIP HC200

Due to the received feedback a special accessory has become available. This Probe clip set is a replacement set for use with probe VPS200.
The set contains two red and two grey hook clips.
For use in CAT-III 600V environment.
The price for the HC200 set is € 30

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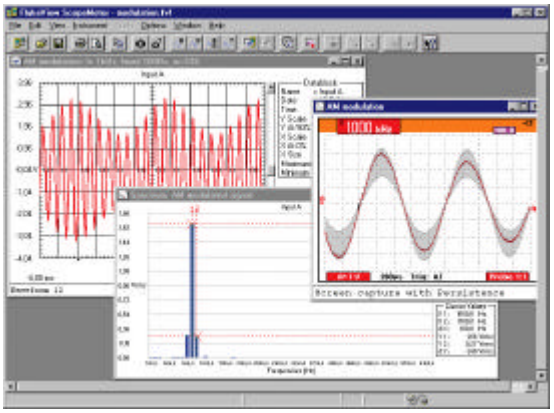
6 FLUKE VIEW SOFTWARE

Together with the PMS-199 Color ScopeMeter a CD-Rom with FlukeView software is Included.

The FlukeView ScopeMeter software helps you get more out of your ScopeMeter by:

Documenting	Transfer screens, waveforms, and measurement data from the ScopeMeter to your PC for printing, or to import data to other programs
Archiving	Store and retrieve waveforms with text annotations and create your own library for easy reference and comparison
Analysis	Gather valuable measurement data and enable cursor measurements to reveal relationships and conditions. Extended recording of up to four user-selected measurements help you monitor and analyze slow moving signals and related events. Upload waveforms to the PC and use cursors for detailed measurements. Perform waveform analysis, including analyzing harmonics



Releases:

- version 4.1 which is suitable for the Fluke ScopeMeter Series 120 – 190 – 190B – 190C incl. the medical versions
- If you own older software versions you can visit the Fluke website for upgrade information → http://www.fluke.com/scopemeter/software.asp

7 SPECIAL PMS COMMON SETTINGS

Due to the received feedback already common settings files have become available for the actual model PMS-199 (see Tool Catalogue TC095).

In close corporation with the training centre also fixed settings will become available for the new Fluke 199 color (expected end May 2003). With these fixed settings the Field Service Engineer can easily recall the common measurement into the Fluke scopemeter.
Please visit the Tool Catalogue TC095 to download these common settings files.

These settings files will also become available with the CS software cd-rom edition 2003 – 03.

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8 ANY QUESTIONS

In case you have any questions or remarks, please contact:

PMS Tools Helpdesk Mailto:helpdesk.pmstools@philips.com

Visit the Lead office Tools website at the PMS TechNet:
Address: http://technet.best.ms.philips.com
Select: CS XRD BEST > TOOLS > FSE TOOLS

Fluke contact persons

Jolanda Joling
e-mail address: Jolanda.joling@fluke.nl
Phone: +31 (0)40 2675114

Or:

Hans van den Brink
Phone: + 31 (0)546 534 737
e-mail address: Hans.van.den.brink@fluke.nl

Fluke Internetsite:
For a complete description of the product and services of Fluke (including addresses of local Fluke offices) you can visit:

http://www.fluke.com

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APPENDIX (overview of fluke sales offices and representatives)

Fluke Sales Offices in Europe:	
AUSTRIA	**BELGIUM**
Fluke Vertriebsges.m.b.H. Mariahilferstrasse 123/3 A-1060 Wien E-mail: info@as.fluke.nl Tel.: +43(0)1 928 95 00 Fax: +43(0)1 928 95 01	N.V. Fluke Belgium S.A. Langeveldpark, unit 5 & 7 P. Basteleusstraat 2-4-6 1600 St. Pieters-Leeuw E-mail: info@fluke.be Tel.: 02/331 27 77 Fax: 02/331 14 89
DENMARK	**FINLAND**
Fluke Danmark A/S Larsbjørnsstræde 3 1454 København K E-mail: info@dk.fluke.nl Tel.: 80 88 50 89 Fax: 80 88 50 88	FLUKE FINLAND OY Louhelantie 10 B 01600 Vantaa E-mail:info@fi.fluke.nl Tel.: 0800 111 862 Fax.: 0800 111 858
FRANCE	**GERMANY**
FLUKE FRANCE S.A. PARIS NORD II – BAT.D 69, Rue de la Belle Etoile BP 50236 Roissy en France 95956 ROISSY CDG CEDEX E-mail :info@fr.fluke.nl Tel: +33-1-48-17-37-37 Fax: +33-1-48-17-37-30	FLUKE DEUTSCHLAND GmbH Heinrich-Hertz-Str. 11 34123 Kassel E-mail: info@de.fluke.nl Tel.: (069) 2 22 22 02 00 Fax.: (069) 2 22 22 02 01
ITALY	**NETHERLANDS**
FLUKE ITALIA S.R.L. Viale Lombardia, 218 20047 BRUGHERIO (MI) E-mail: info@it.fluke.nl **Tel**: 039.28973.1 **Fax**: 039 2873 556	FLUKE NEDERLAND B.V. Science Park Eindhoven 5110 5692 EC SON Eindhoven E-mail: info@fluke.nl Tel: +31-40-267-8100 Fax:+31-40-267-8111

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Fluke Sales Offices in Europe: (continued)

NORWAY	PORTUGAL
FLUKE NORGE PO box 6054 Etterstad N-0601 OSLO Ole Deviks vei 2 N-0666 OSLO E-mail:info@no.fluke.nl Tel: **800 18 227** Fax: **800 18 228**	FLUKE IBERICA, S.L. Centro Empresarial Euronova C/Ronda de Poniente, 2 28760 – Tres Cantos Madrid E-mail: info@es.fluke.nl Telephone +34- 9-1414-0100 Telefax +34-

SPAIN	SWEDEN
FLUKE IBERICA, S.L. Centro Empresarial Euronova C/Ronda de Poniente, 2 28760 – Tres Cantos Madrid E-mail: info@es.fluke.nl Telephone: +34- 9-1414-0100 Telefax: +34- 9-1414-0101	**Fluke Sverige AB** Kanalvägen 10C-12 194 61 Upplands Väsby E-mail: info@se.fluke.nl Tel: 08-566 374 00 Fax: 08-566 374 01
SWITZERLAND	**UNITED KINGDOM**
Fluke (Switzerland) AG Industrial Division Grindelstrasse 5 8304 Wallisellen E-Mail: info@ch.fluke.nl **Tel**: (+41) 01 580 75 00 **Fax**: (+41) 01 580 75 01	Fluke (U.K.) Ltd 52 Hurricane Way Norwich Norfolk NR6 6JB E-mail: industrial@uk.fluke.nl Phone: 0207 942 0700 Fax: 0207 942 0701

Fluke Sales Office: Eastern Europe / Turkey / Greece / Africa / Middle East

Fluke Europe B.V.
Science Park Eindhoven 5110
5692 EC Son
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5602 BD Eindhoven

E-mail: theo.van.de.wollenberg@fluke.n l

Tel: +31-40-2678-267
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Fluke Sales Offices in North America **(Subsidiaries/Representatives)**

UNITED STATES

Company Name	Fluke Corporation
Address	P.O.Box 9090 Everett, WA USA 98206
Telephone	800-903-5853
Technical Support	800-443-5853
Email:	Fluke-info@fluke.com

CANADA

Company	Fluke Electronics Canada Inc.
Address	400 Britannia Rd E., Unit #1, Mississauga, Ontario L4Z 1X9
Telephone	+1-905-890-7600
Telefax	+1-905-890-6866
E-mail address	JF.Rainville@fluke.com

MEXICO

Company	Mexel
Address	Calle Diagonal No. 27 - 3º, Piso 03100 Colonia del Valle Mexico
Telephone	+52-(555)-340-1400
Telefax	+52 (555)-340-1403
E-mail Address	ihernand@mexel.com.mx

Fluke Sales Offices in South America **(Subsidiaries/Representatives)**

ARGENTINA

Company	Viditec S.A.
Address	Humberto 1o 2887/89 (1231) Capital Federal Buenos Aires, Buenos Aires Argentina
Telephone	+54 (11) 4308-4884
Telefax	+54 (11) 4308-5493
E-mail Address	ygomez@viditec.com.ar

BRASIL

Company	Fluke do Brasil
Address	Av. Dr. Cardoso de Melo 1470 2nd floor 04548-005 Sao Paulo -, SP Brasil
Telephone	+55-11-3044-1277
Telefax	+55-11-3045-9865
E-mail Address	Fernando.Kozik@fluke.com

CHILE

Company	Intronica S.A.C.I.
Address	Guardia Vieja 181 Ofc. 401 Casilla 16500 Santiago 9, Chile
Telephone	+56 (2) 232-3888
Telefax	+56 (2) 231-6700
E-mail Address	jpuelma@intronica.com

COLOMBIA

Company	SEI S.A..
Address	Calle 83 No. 37-07, Barrio Patria Ap. Aereo 29593 Santafe de Bogota Colombia
Telephone	+57 (1) 635-7266
Telefax	+57 (1) 623-3334
E-mail Address	seiavargas@cable.net.co

ECUADOR

Company	Proteco Coasin S.A.
Address	Av. 12 de Octubre 2449 y Orellana Edifico Jerico, piso 10 P.O. Box 17-03-228- A Quito – Ecuador
Telephone	+593 (2) 250-0616
Telefax	+593 (2) 250-0617
E-mail Address	anaranjo@coasin.com.ec

PERU

Company	Ferrier S.A.
Address	Av. Benavides 1060 DPTO.01, Miraflores Lima 18 PERU
Telephone	+51 (1) 445-8644
Telefax	+51 (1) 446-6159
E-mail Address	ferrier@terra.com.pe

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Fluke Sales Offices in South America **(Subsidiaries/Representatives): continued**

URUGUAY		**VENEZUELA**	
Company	Coasin Instrumentos S.A.	Company	Coasin C.A.
Address	Obligado 1263 CP 11300 Montevideo Uruguay	Address	Calle 9 con 4 Edif Edinurbi, Piso - 3 La Urbina, 1070A, Caracas Venezuela
Telephone	+598 (2) 708-5266	Telephone	+58 (212) 241-1248
Telefax	+598 (2) 709-0988	Telefax	+58 (212) 241-1939
E-mail Address	numarey@coasin-instrumentos.com.uy	E-mail Address	crcoasin@cantv.net

Fluke Sales Offices in Asia / Pacific

CHINA		**HONG KONG**	
Company	Fluke International Corporation	Company	Fluke South East Asia PTE Ltd
Address	2301, Sciteck Tower 22 Jianguomenswai Dajie Chao Yang District Beijing 100004	Address	Room 910-912 HK Pacific Centre 28 Hanskow Road Tsimshatsui, Kowlooon
Telephone	+86-10-6512-3435	Telephone	+852-2721-3228
Telefax	+86-10-6512-3437	Telefax	+852-2721-3113
E-mail address	Lily.Zou@fluke.com.cn	E-mail address	denislai@netvigator.com
TAIWAN		**SINGAPORE**	
Company	Fluke Taiwan	Company	Fluke South East Asia
Address	8F-1, No. 16, Lane 609 Section 5, Chung Shin Rd San Chung City, Taipei Hsieh	Address	#15-05 UE Square 83 Clemenceau Avenue 239920 Singapore
Telephone	+886-2-2278-3199	Telephone	+65-738-5655
Telefax	+886-2-2278-3179	Telefax	+65-738-9949
E-mail Address	mchenft@tpts8.seed.net.tw		
JAPAN		**AUSTRALIA**	
Company Name	FLUKE CORPORATION	Company Name	Fluke Australia Pty. Ltd
Address	Sumitomo Higashi Shinbashi Bldg.1-1-11 Hamamatsucho Minato-Ku Tokyo 105-0013	Address	Unit 26, 7 Anella Avenue Castle Hill, NSW 2153
Telephone	+81-3-3434-0181	Telephone	+61-2-8850-3333
Telefax	+81-3-3434-0170	Telefax	+61-2-8850-3300
E-mail Address	Yoshiyuki.Yamagishi@fluke.com	E-mail Address	henk.van.velze@fluke.com.au

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Fluke Sales Offices in Asia / Pacific: continued

INDIA

Company Name	Fluke South East Asia Pte. Ltd.
Address	C/O Sun Business (India) Pvt. Ltd. 99, Grand Plaza Bldg. Old Rajinder Nagar Mkt. New Delhi 110060 India
Telephone	+91 (11) 5712074 thru 77
Telefax	+91 (11) 5713273
E-mail Address	rbflk@vsnl.net

KOREA

Company Name	Fluke Korea Co., Ltd.
Address	5th Floor, Juan Bldg 646-14, Yuksam-Dong Kangnam-ku Seoul 135-080 Korea
Telephone	+82 (2) 539-6311
Telefax	+82 (2) 539-6331
E-mail Address	hejeon@flukekorea.co.kr

THAILAND

Company Name	Measuretronix Ltd.
Address	2425/2 Ladprow Road, Wangthonglang Bangkok 10310 Thailand
Telephone	+66 (2) 5141000
Telefax	+66 (2) 5141001
E-mail Address	krit@measuretronix.com

Philips Purchase offices

PMG Best

Company Name	Philips Medical Systems
Contact	Mr. M. van de Sande Purchasing FMB
Address	Veenpluis 4- 6, QG 001 5684 PC Best The Netherlands
Phone Number	+31-40-27-62597
Telefax Number	+31-40

AFLAME (countries not listed above)

Company Name	Philips Medical Systems
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